

32-7583: Recombinant Human Sperm Equatorial Segment Protein 1/SPESP1 (C-6His)

Gene : SPESP1
Gene ID : 246777
Uniprot ID : Q6UW49

Description

Source: Human Cells.
MW :37.9kD.

Recombinant Human Sperm Equatorial Segment Protein 1 is produced by our Mammalian expression system and the target gene encoding Tyr20-Tyr350 is expressed with a 6His tag at the C-terminus. Sperm Equatorial Segment Protein 1 (SPESP1) is a member of the SPESP1 family. SPESP1 is highly expressed in the testis, where it is localized to the acrosome of postmeiotic stages of spermiogenesis; it is expressed at lower levels in the placenta and fetal lung. SPESP1 is involved in the multicellular organismal development. Disruption of SPESP1 leads to abnormal distribution of sperm proteins resulting in a detached membrane from the equatorial segment and less fertile sperm. SPESP1 may interact with IZUMO1 and MN9 antigen and it contains an N-glycosylation site as well as several cAMP-dependent kinase, protein kinase C, and casein kinase II consensus phosphorylation sites.

Product Info

Amount : 10 µg / 50 µg
Content : Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.
Storage condition : Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid : YPSITVTPDEEQNLNHYIQVLENLVRVSPSGEPGREKKSNPKHVYSIASKGSKFKELVTHGDASTENDVLTNPIS
EETTTFTPGGFTPEIGKKKHTSTPFWSIKPNNVSIVLHAEOPYIENEEPEPEPEPAAKQTEAPRMLPVVTSSTSP
YVTSYKSPVTTLDKSTGIGISTESEDVPQLSGETAIEKPPEFGKHPESWNNDDILKKILDINSQVQQALLSDTSNP
AYREDIEASKDHLKRSLALAAAAEHKLKTMYSQQLPVGRTSNKIDDIETVINMLCNSRSKLYEYLDIKCVPPEMR
EKAATVFNTLKNMCRSRRVTALLKVVVDHHHHHH

Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.